Identifying System Operations...

```
:Public        :Administrator        :Instructor        :System        :Offerings        :Offering
```

:Administrator → :System : createOffering(lessonName, location, time, public)

:System → :Offerings : createOffering(lessonName, location, time, public)

:Offerings : offerId := generate(offerId);

:Offerings → o:Offering : create(lessonName, offerId, location, time, public, instructorId=null)

:Offerings → :Offering : add(o)

:Offering ⇠ :Offerings : confirmation message, o

:Offerings ⇠ :System : confirmation message, o

:Instructor → :System : selectLesson(offerId, instructorId)

:System → :Offerings : find(offerId)

:Offerings → :Offering : find(offerId)

alt

[if available]

:Offering ⇠ :Offerings : o

:Offerings → :Offering : assignInstructor(instructorId)

:Offering ⇠ : confirmation

:Offerings ⇠ :System : confirmation

[else]

:Offering ⇠ : error message

:Offerings ⇠ :System : error message